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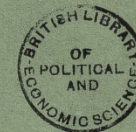
BOARD OF TRADE

FINAL REPORT
on the
CENSUS OF PRODUCTION
FOR 1948

Volume 7

Trade A

ASBESTOS



*Presented by the Board of Trade to Parliament
in pursuance of the Statistics of Trade Act, 1947
(10 & 11 Geo. 6, Ch. 39, Sec. 7).*

LONDON : HER MAJESTY'S STATIONERY OFFICE

1952

TWO SHILLINGS NET

42
(HA 251)

STATISTICS
BACK-UP

In interpreting the data in the following tables, it is essential to bear in mind not only the qualifications mentioned in this report but also the general explanations and qualifications contained in the separate booklet published in this series by H.M. Stationery Office entitled "Final Reports of the Census of Production for 1948: Introductory Notes", price 2s 6d. NET

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* Not applicable to this trade

ASBESTOS TRADE

THIS REPORT on the Asbestos Trade relates to establishments engaged wholly or mainly in spinning and weaving asbestos and manufacturing engine and boiler packing, brake and clutch linings, etc.

This trade corresponds to minimum list heading 129(1) in the Standard Industrial Classification, with the addition of engine and boiler packing not of asbestos from heading 199(3) relating to miscellaneous manufactures.

Any establishments in this trade in Northern Ireland are excluded in 1948. Owing to the risk of disclosure of information relating to individual firms separate particulars of the very small output in Northern Ireland were not published for 1955.

TEXTILES
ASBESTOS TRADE
Summary
Larger establishments

TABLE 1

	1948(a)	1937(b)	1935(b)
	£'000	£'000	£'000
Gross output (production)	18,616	4,673	3,313
Cost of materials and fuel used	7,466	2,013	1,333
Payment for work done on materials given out	70	3	2
Net output	11,080	2,657	1,978
Wages and salaries of persons employed	4,505	..	..
Average number of persons employed (c)	No. 14,465(d)	No. 8,136	No. 6,425
Net output per person employed (c)	£ 766	£ 327	£ 308
Stocks at end of year	£'000	£'000	£'000
Finished products and work in progress	1,973	..	..
Materials and fuel	2,469	..	..
Number of establishments	No. 60	No. ..	No. 59

- (a) Great Britain only.
(b) United Kingdom.
(c) Excluding outworkers.
(d) For an estimate of the total number of persons employed in this trade see Table 3.

The values of gross output and of materials and fuel used are derived in the following way:-

	1948	1937	1935
	£'000	£'000	£'000
Output of firms in this trade			
Total value of sales (1948) or production (1937 and 1935)			
Principal products (see Table 8)	15,822	4,198	3,011
Other output (see Table 10)	2,624	475	302
Adjustment for changes in stocks and work in progress (see Table 14)	+ 340		
Less payment for transport by other firms	18,786 170	4,673	3,313
Gross output (production)	18,616	4,673	3,313
Materials and fuel used by firms in this trade			
Purchases (see Table 13)	8,172	2,013	1,333
Adjustment for changes in stocks (see Table 14)	- 706		
Materials and fuel used	7,466	2,013	1,333

Summary, 1948
Small firms in Great Britain

TABLE 2

Number of returns	58
Average number of persons employed (a)	
Males	250
Females	107
Total	357

(a) Including working proprietors.

Estimated average employment, 1948

All firms in Great Britain

TABLE 3

As returned by firms	
Employing on average more than ten persons (a)	14,465
Employing on average ten persons or less (b)	357
	14,822
Estimated average employment in firms not making satisfactory returns	24
Estimated average employment in all firms	14,846

- (a) See Tables 1 and 15.
(b) See Table 2.

Analysis by size, 1948

Larger establishments in Great Britain

TABLE 4

Average number employed	Establishments	Gross output	Net output	Persons employed	Remuneration			Net output per person employed
					Wages	Salaries	Total	
	No.	£'000	£'000	No.	£'000	£'000	£'000	£
11-24	10	173	84	162	34	11	46	519
25-49	13	569	338	459	115	42	157	736
50-99	12	881	528	857	203	76	279	616
100-199	10	1,724	1,005	1,512	304	204	508	665
200-299	7	2,251	1,204	1,671	369	106	474	720
500-749	3	2,084	1,235	1,887	437	204	641	655
1,000 and over	5	10,935	6,686	7,917	1,740	660	2,399	844
Total	60	18,616	11,080	14,465	3,203	1,302	4,505	766

Analysis by standard region, 1948

Larger establishments in Great Britain

TABLE 5

Region	Establishments	Gross output	Net output		Persons employed	Remuneration		
			Value	Percentage of total		Wages	Salaries	Total
	No.	£'000	£'000		No.	£'000	£'000	£'000
England								
Northern; and East and West Ridings of Yorkshire	10	4,026	2,439	22.0	3,218	693	272	965
North Midland	3	158	94	0.9	180	46	9	54
London and South Eastern	18	3,443	1,935	17.5	3,553	788	367	1,155
Eastern; and Southern	3	409	241	2.2	348	62	39	101
South Western	5	536	342	3.1	396	72	66	138
North Western	18	9,920	5,940	53.6	6,667	1,507	542	2,049
Total England	57	18,492	10,991	99.2	14,342	3,168	1,294	4,462
Wales and Scotland	3	124	89	0.8	123	35	8	43
Great Britain	60	18,616	11,080	100.0	14,465	3,203	1,302	4,505

Analysis according to specialisation within the trade, 1948

Larger establishments in Great Britain

TABLE 6

	Establishments	Gross output	Sales of characteristic products	Net output	Persons employed	Remuneration			Net output per person employed
						Wages	Salaries	Total	
	No.	£'000	£'000	£'000	No.	£'000	£'000	£'000	£
Specialist producers of									
Asbestos manufactures and pastes and compositions for coverings	38	16,227	13,544	9,710	11,895	2,617	1,060	3,677	816
Remainder of the trade	22	2,389		1,370	2,570	586	242	827	533
Total	60	18,616		11,080	14,465	3,203	1,302	4,505	766

Total make of intermediate products

Larger establishments

TABLE 7

	Returned in all trades	
	1948 (a)	
	Quantity	Entries
	Tons	No.
Asbestos manufactures		
Yarn (including carded fibre) and compressed fibre sheets for joints	17,141	11
Rope and string and woven cloth	3,918	7
Webbing, listing and braiding	397	6
Brake and clutch lining fabric	2,961	5

(a) Great Britain only.

Sales (or production) of the principal products of the trade, including sales (or production) of these products by establishments classified to other trades

Larger establishments

TABLE 8

	1948(a) Sales			1937(b) Production		1935(b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Tons	£'000	No.	Tons	£'000	Tons	£'000
Asbestos manufactures (other than asbestos cement goods)							
Yarn (including carded fibre) and compressed fibre sheets for joints	9,770	2,239	11				
Rope and string and woven cloth	3,168	818	7	9,985	1,338(c)	6,959	889(c)
Mattresses	390	147	10				
Proofed goods and packings	3,292	1,222	18				
Brake and clutch linings	5,160	5,153	18	2,964	1,190	2,242	959
Webbing, listing and braiding	358	237	6				
Insulating materials, not elsewhere specified	26,043	2,178	17	14,891	969	10,734	539
Other asbestos manufactures	28,368	2,505	..				79
Total asbestos manufactures	76,549	14,499	..	27,840	3,497	19,936	2,387
Pastes and compositions for coverings	11,831	257	22	23,561	351(d)	18,730	296(d)
Engine and boiler packing (not including asbestos packing)	1,589	783	17	1,734	297	1,451	236
Waste products	..	36	9	..	(e)	..	(e)
Work done for the trade or on commission (f)		754	16		454		283
Total		17,287	..		4,599		3,281
Less sales (or production) in other trades (see Table 9)		1,466	..		401		270
Total principal products of this trade sold or made by establishments in the trade		15,822	54		4,198		3,011

- (a) Great Britain only.
(b) United Kingdom.
(c) Recorded as:-

	1937		1935	
	Tons	£'000	Tons	£'000
Yarn and cloth of asbestos	3,708	502	2,387	291
Packing, lagging and jointing of asbestos	6,277	836	4,572	598

- (d) Described as "Coverings and compositions, not included elsewhere".
(e) Not recorded separately.
(f) Amount charged in 1948 and amount received in 1937 and 1935.

Sales (or production) of principal products of the trade by establishments classified to other trades

Larger establishments

TABLE 9

	1948(a) Sales			1937(b) Production		1935(b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Tons	£'000	No.	Tons	£'000	Tons	£'000
Asbestos manufactures (other than asbestos cement goods)							
Proofed goods and packings	132	49	..	69	12(c)	68	12(c)
Brake and clutch linings	92	95	5	-	-	-	-
Webbing, listing and braiding	2	-	..				
All other asbestos manufactures	20,391	1,166	..	7,812	319	6,156	179
	..	23	..			..	15
Total asbestos manufactures	20,617	1,310	..	7,881	331	6,224	191
	..	23	..			..	15
Pastes and compositions for coverings	639	9	..	3,622	66(d)	3,185	57(d)
	..	29	..				
Engine and boiler packing (not including asbestos packing)	34	45	..	26	4	63	7
	..	46	..				
Work done for the trade or on commission		4(e)	..	-	-	-	-
Total		1,466	..		401		270

(a) Great Britain only.

(b) United Kingdom.

(c) Described as "Packing, lagging and jointing of asbestos".

(d) Described as "Coverings and compositions, not included elsewhere".

(e) Amount charged.

TEXTILES

Sales (or production) in the trade of other than principal products

Larger establishments

TABLE 10

	1948 (a) Sales		1937 (b) Production		1935 (b) Production	
	Quantity	Value	Quantity	Value	Quantity	Value
	Tons	£'000	Tons	£'000	Tons	£'000
Machinery belting of cotton, balata, etc.	..	727	1,091	285	678	168
Metallic packings, other than engine and boiler packing	190	110	90	35	63	24
Gaskets and joints for all purposes	770	331	..	155	..	110
Other goods	..	1,456				
Total		2,624		175		302

(a) Great Britain only.

(b) United Kingdom.

Analysis of sales, 1948

Larger establishments in Great Britain

TABLE 11

	Sales	Percentage of total sales
	£'000	
Sales (or transfers) to other organisations under the same control		
Productive works	559	3.2
Wholesale or selling organisations	528	3.0
Retail shops, etc.	-	-
Total sales (or transfers) to other organisations under the same control	1,087	6.1
Sales to independent buyers		
Exports invoiced directly overseas	2,895	16.4
Exports invoiced to Crown Agents and purchasing houses in this country of individual firms and governments abroad	502	2.8
His Majesty's Government and Local Authorities (other than productive establishments)	396	2.2
Manufacturers, repairers, builders, mines, public utilities, and transport and other productive undertakings	7,611	43.0
Wholesalers, merchants and other agents for resale	5,077 (a)	28.7
Retailers, including multiple shops, caterers and N.A.A.F.I., for resale	22	0.1
Other businesses (including farmers) and institutions of all kinds	78	0.4
Members of the public, including employees	28	0.2
Total sales to independent buyers	16,608	93.9
Total	17,695	100.0

(a) Of this total £4,557,000 was recorded as divided between £1,087,000 for export and £3,470,000 for other sales.

Production, exports and imports
of certain principal products (a)

TABLE 12

		Production (b)	Exports	Retained imports
		Tons	Tons	Tons
Asbestos manufactures				
Brake and clutch lining fabric	1948	2,961	411	2
Brake and clutch linings	1948	5,160 (c)	976 (d)	18 (d)
Other asbestos manufactures, except asbestos cement goods	1948	78,300 (e)	23,009	153

(a) Figures of sales (or production) refer only to larger establishments in Great Britain. All recorded exports from and imports into the United Kingdom are given in the table. The figures, therefore, are not strictly comparable.

(b) Including sales (or production) by establishments classified to other trades.

(c) Sales.

(d) Described as "Road vehicle brake and clutch linings containing asbestos".

(e) Sales, partly estimated.

Purchased materials and fuel
Larger establishments

TABLE 13

	1948 (a)		1937 (b)		1935 (b)	
	Materials and fuel purchased		Usage of purchased materials and fuel			
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Tons	£'000	Tons	£'000	Tons	£'000
Materials						
Asbestos						
Raw and fibre						
Chrysotile	22,694	1,395	14,311	424	10,956	289
Other sorts	10,735	409				
Yarn (including carded fibre)	1,479	391				
Rope and string	51	9				
Cloth	506	170	..	(c)	..	(c)
Waste (including asbestic)	494	7				
Other materials of asbestos	6,848	1,244				
	..	94				
Packing materials	..	386	..	50	..	(c)
Cement	Th. tons 2.3	12				
Cotton yarn	Th. lbs. 3,004	447				
Rubber in all forms	Th. cwts. 24.5	156	..	1,445	..	1,005 (d)
Iron and steel in all forms	44.9	283				
	..	34				
All other purchased materials	..	2,550				
	Th. tons		Th. tons		Th. tons	
Fuel and electricity						
Coal	79.9	212	40.5	40	34.8	31
Coke	14.4	54	..	(c)	2.5	3
	Th. B.T.U. (kW. hrs.)		Th. B.T.U. (kW. hrs.)		Th. B.T.U. (kW. hrs.)	
Electricity purchased (e)						
From public supply	29,022	156				
From other sources	-	-	11,515	35	7,655	25
Electricity obtained from other works under the same ownership	-	-				

TABLE 13 (contd.)

	1948(a)		1937(b)		1935(b)	
	Materials and fuel purchased		Usage of purchased materials and fuel			
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. galls.	£'000		£'000		£'000
Fuel and electricity (contd.)						
Motor spirit (petrol) and derv. fuel						
Used for road vehicles	167	16	}			
Used for other power purposes	77	3				
Gas purchased	Th. therms					
From public supply	759	36	}	..	19	.. (c)
From other sources	-	-				
Gas obtained from other works under the same ownership	-	-				
All other purchased fuel	..	100				
Total		8,172		2,013		1,333

(a) Great Britain only.

(b) United Kingdom.

(c) Not recorded separately.

(d) Including fuel not specified separately.

(e) The total quantity of electricity consumed in 1948 was 32,250,000 B.T. units including 3,228,000 generated in the same works.

Stocks of finished products and work in progress and stocks of materials and fuel, 1948

Larger establishments in Great Britain

TABLE 14

	At beginning of year		At end of year	
	Quantity	Value	Quantity	Value
	Tons	£'000	Tons	£'000
Finished products				
Brake and clutch linings	724	301	901	374
Other finished products	..	103	..	115
Work in progress		552		610
Unclassified		25		58
Total finished products and work in progress		1,634		1,973
Materials and fuel				
Asbestos, raw and fibre	15,399	681	18,629	1,001
Other descriptions of materials and fuel	..	1,047	..	1,421
Unclassified	..	35	..	46
Total materials and fuel		1,762		2,469

Employment and remuneration (a)

Larger establishments

TABLE 15

	Average number of operatives			Administrative, technical and clerical employees (b)			Total		
	1948(c)	1937(d)	1935(d)	1948(c)	1937(d)	1935(d)	1948(c)	1937(d)	1935(d)
Males									
Under 18	403	605	356	71	132	86	474	737	442
All ages	8,199	4,197	3,239	1,839	1,113	958	10,038	5,310	4,197
Females									
Under 18	209	608	354	256	170	96	465	778	450
All ages	2,963	2,166	1,685	1,458	660	543	4,421	2,826	2,228
Total									
Under 18	612	1,213	710	327	302	182	939	1,515	892
All ages	11,162	6,363	4,924	3,297 (e)	1,773	1,501	14,459 (e) (f) (g)	8,136	6,425
Total remuneration	£'000			£'000			£'000		
	3,203	..	..	1,302	..	..	4,505	..	..

(a) Excluded employees. The following numbers were employed at establishments in this trade but are not included in the table or in any other report (e.g., employees in a separate selling or transport organisation for which separate accounts are kept):-

Canteen workers	16 males	202 females
Other workers	46 males	28 females

(b) Number at September 25, 1948, October 16, 1937, and October 12, 1935.

(c) Great Britain only.

(d) United Kingdom.

(e) There were, in addition, 6 male working proprietors in 1948. Working proprietors are included in the 1937 and 1935 figures.

(f) The employers' share of contribution to all National Insurance Schemes payable during the year in respect of these workers amounted to £108,000.

(g) The following persons (included in this total) were employed on special work by establishments employing 100 or more persons:-

	Operatives	Administrative, technical and clerical employees
Transport of goods outside the premises	60	
Maintenance and repair of firms' buildings, but not plant	160	
Research work not directly connected with current production however charged	6	58

In addition to the employees in the above table the firms in this trade employed 3 female outworkers in 1948, the amount paid to them being less than £500. Similar information is not available for 1937 and 1935.

Wages and salaries paid, 1948 (a)

Larger establishments in Great Britain

TABLE 16

	Amount paid by all establishments	Establishments making returns for the calendar year						
		Amount paid	Percentage of annual remuneration paid in					
			First quarter	Second quarter	Third quarter	Fourth quarter	Year	
Wages and salaries of	£'000	£'000						
Operatives	3,203	981	23.3	24.4	25.4	26.8	100.0	
Administrative, technical and clerical employees	1,302	438	23.6	24.6	24.1	27.6	100.0	
Total	4,505	1,420	23.4	24.5	25.0	27.1	100.0	

(a) Including bonus and commission payments.

TABLE 17 - Payments for work done on materials given out, 1948

Larger establishments in Great Britain

The total amount paid for work done on materials given out was £70,000.

Payments for certain services, 1948

Larger establishments in Great Britain

TABLE 18

	Amount paid
	£'000
Repair and maintenance	
Of buildings	26
Of plant, machinery and vehicles	70
Unclassified	120
Hire of plant, machinery and vehicles	8
Advertising and market research	
Advertising in newspapers, magazines and periodicals	62
Other advertising services (poster display, despatch of circulars, etc.) and market research	49
Unclassified	61
Payments for research work	
To research associations	1
To universities, institutions, academic bodies and similar agencies	1
To other commercial concerns	7
Postage, telephone, telegrams and cables	68
Commercial insurance premiums	66
Rates (excluding water rates) payable in the year	22

Plant, machinery and vehicles acquired and disposed of, 1948

Larger establishments in Great Britain

TABLE 19

	Acquisitions		Disposals
	New	Second-hand	
	£'000	£'000	£'000
Plant and machinery	340	10	3
Vehicles	76	9	14
Total	416	20	18

Capital expenditure on building work and changes in occupation of buildings and land, 1948

Larger establishments in Great Britain

TABLE 20

	£'000	£'000
1. Capital expenditure on building work (a)		214
2. Existing buildings and land (b)		
(1) Capital cost of freeholds bought	5	
Estimated capital value of		
(11) Rented property newly occupied in the year (c)	7	
(111) Leasehold buildings and land newly occupied in the year	4	
Total of heading 2		18
Total of headings 1 and 2		230
3. Existing buildings and land relinquished (d)		-
4. Headings 1 and 2, less heading 3		230
(a) Excluding site value which, where appropriate, is included in heading 2(1).		
(b) The figures do not reflect changes in ownership of previously occupied land and buildings.		
(c) Property which is occupied under an agreement for the payment of rent without the purchase of a lease or the payment of a premium.		
(d) Including property destroyed or abandoned.		

1948

Note - Owing to the risk of disclosure of information relating to individual firms separate particulars for larger establishments in Wales or Scotland cannot be given.

Summary

Larger establishments

TABLE 21

	England	Wales and Scotland	Great Britain
	£'000	£'000	£'000
Gross output (production)	18,492	124	18,616
Cost of materials and fuel used	7,431	35	7,466
Payment for work done on materials given out	70	-	70
Net output	10,991	89	11,080
Wages and salaries of persons employed	4,462	43	4,505
Average number of persons employed (a)	14,342	123	14,465
Net output per person employed (a)	766	724	766
Stocks at end of year	£'000	£'000	£'000
Finished products and work in progress	1,964	9	1,973
Materials and fuel	2,464	4	2,469
Number of establishments	No. 57	No. 3	No. 60

(a) Excluding outworkers.

The values of gross output and of materials and fuel used are derived in the following way:-

	England	Wales and Scotland	Great Britain
	£'000	£'000	£'000
Output of firms in this trade			
Total value of sales (see Table 23)	18,320	126	18,446
Adjustment for changes in stocks and work in progress	+ 342	- 2	+ 340
Less payment for transport by other firms	18,661	124	18,786
Gross output (production)	170	-	170
Gross output (production)	18,492	124	18,616
Materials and fuel used by firms in this trade			
Purchases	8,136	36	8,172
Adjustment for changes in stocks	- 705	- 2	- 706
Materials and fuel used	7,431	35	7,466

Summary

Small firms

TABLE 22

	England	Wales	Scotland	Great Britain
Number of returns	49	3	6	58
Average number of persons employed (a)				
Males	204	24	22	250
Females	91	4	12	107
Total	295	28	34	357

(a) Including working proprietors.

Sales in the trade
Larger establishments

TABLE 23

	Great Britain	
	Quantity	Value
	Tons	£'000
Principal products		
Asbestos manufactures (other than asbestos cement goods)		
Mattresses	390 ..	147 27
Proofed goods and packings	3,180	1,173
Brake and clutch linings	5,068	5,058
Webbing, listing and braiding	356	236
All other asbestos manufactures	46,958 ..	6,575 735
Total asbestos manufactures	55,932 ..	13,189 762
Pastes and compositions for coverings	11,192 ..	248 53
Engine and boiler packing (not including asbestos packing)	1,555 ..	738 45
Waste products	..	36
Work done for the trade or on commission		751 (a)
Total principal products		15,822
Other output		
Machinery belting of cotton, balata, etc.	..	727
Metallic packings, other than engine and boiler packing	190	110
Gaskets and joints for all purposes	770	331
Other goods	..	1,456
Total		18,446

(a) Amount charged.

TABLE 24 - Purchased materials and fuel: Larger establishments

See Table 13.

TABLE 25 - Employment and remuneration: Larger establishments

See Table 15.

Monthly index of employment of operatives: Larger establishments
(average employment in 1948 = 100)

TABLE 26

Month	Monthly index (a)	Month	Monthly index (a)
	Great Britain		Great Britain
1948		1948	
January	99.2	August	100.9
February	100.0	September	100.6
March	100.0	October	99.5
April	99.4	November	100.1
May	99.5	December	99.1
June	100.7	Percentage employ- ment in this trade covered by the index	30.0
July	101.0		

(a) The index numbers are calculated from the number of operatives employed in one week in each month returned by larger establishments that made returns for the calendar year 1948.

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